



VSC Fire & Security, Inc.
 453 Jessen Lane
 Charleston, South Carolina 29492
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5664

Annual Sprinkler System Inspection

Customer Address:	Site Address:
City of Charleston/Dept of Parks	Confederate Museum
823 Meeting Street	188 Meeting Street
Charleston, SC 29403	Charleston, SC 29403
Phone: 8437243457 Fax: 8435797692	Phone: 843-607-8187 Fax:
Customer #: 025050C217	Site #: 5000558. Contact: Ed Anderson
Job Name: Confederate Museum	Inspection Date: 8/31/2015

Summary List of Fire Protection Systems

System	Total	System	Total
Dry System	1	Standpipe System	0
Wet System	1	Fire Pump	0
Deluge System	0	Hydrants	0
Preaction System	0	Water Tanks	0
Foam System	0		

Notifications Made Prior to Any Testing

	Yes/No	Who/Time		Yes/No	Who/Time
Monitoring agency	Yes	SONITROL ****	Building Management	Yes	EDD ANDERSON 7:30 PM
Building occupants	Yes	All	Other N/A	N/A	N/A

Notifications Made When Testing Complete

	Yes/No	Who/Time		Yes/No	Who/Time
Monitoring agency	Yes	SONITROL ****	Building Management	Yes	MAINT
Building occupants	Yes	All	Other N/A	N/A	N/A
System restored to normal operation: 8/31/2015 9:25 AM					

NFPA 25, 2008 edition code references in ()

2013 Environment of Care; Elements of Performance for EC.02.03.05 in [];reference NFPA 25 1998 edition

****Indicates question was scheduled, but was not answered. ----Indicates question was not scheduled, & was therefore not answered

Dry Pipe System

Dry Sprinkler System Inspection

Sprinkler heads free of corrosion, foreign material, paint or damage, no signs of leakage & heads installed in proper orientation? (5.2.1.1.1)	Yes
Minimum clearance maintained below all sprinklers? (5.2.1.2)	Yes
Number of replacement sprinkler heads per number installed in the head box comply: 6 per 1-300: 12 per 301 to 1,000: 24 per > 1,000? (5.4.1.5)	Yes
Sprinkler head wrench for each type head provided in head box? (5.4.1.6)	Yes
System piping free of mechanical damage, leaks, corrosion, misalignment, or other loads or pipe hung from system? (5.2.2.1 & 5.2.2.2)	Yes
Pipe hangers and seismic braces secure and undamaged? (5.2.3.1)	Yes
Adequate heat to protect part of system containing water at a minimum temperature of 40° F? (5.2.5)	Yes
All sprinklers in this building been manufactured after 1920? (5.3.1.1.1.1)	Yes
All sprinklers in building less than 50 years old or, if fast response, less than 20 years old, or if older representative samples tested within the last 10 years? (5.3.1.1.1)	Yes
If dry sprinklers are installed in building, and have been in service for 10 years, have they been replaced or a representative sample tested? (5.3.1.1.1.5) Date tested, if applicable: ----	N/A

Dry Pipe Valve

Dry Sytem 1st Floor Riser Closet 1st Floor Gem F-3021 4"

Enclosure and heating equipment maintain 40° F temperature, during cold weather? (13.4.4.1.1)	Yes	Air and water pressure gauges operating properly? (13.4.4.1.2)	Yes
Pressure (psi) shown on the Water Supply pressure gauge. (13.4.4.1.2.1)	35	Pressure (psi) shown on the System side pressure gauge (13.4.4.1.2.2)	33
Exterior of valve in good condition with no physical damage, trim valves in normal open or closed position & intermediate chamber not leaking? (13.4.4.1.4)			Yes
Priming water level correct? (13.4.4.2.1)	Yes	Low air pressure alarm, if provide, operates within mfr's test range? (13.4.4.2.6)	N/A
Main Drain Test Pressures			[EP9]
Static Pressure before valve opened	40	Residual Pressure with valve open	35
		Static Pressure after valve closed	40
Record time (seconds) for supply water pressure to return to original static pressure. (A.13.2.5)			3
Main Drain Test Pressures less than 10% reduction in flow from original acceptance test or previous test results? (13.2.5.2)			Pass
Is there adequate drainage available? (13.2.4)			Yes
Automatic air pressure maintenance device, if provided, maintains air pressure at proper setting for system? (13.4.4.2.8)			Yes
Low temperature alarm, if installed in valve enclosure, tested before start of cold season? (13.4.4.2.7)			N/A
Partial trip test of the dry pipe valve conducted with control valve partially opened? (13.4.4.2.3)			Yes
Air pressure (psi) at trip of dry valve.	4	Time (sec) between start of test & trip of valve.	----
Internal inspection - all components operate properly & move freely, valve cleaned & in good condition? (13.4.4.3.1)			Yes
Low point drains opened, pipe drained & valves closed & plugs replaced or where weep holes are provided, inspected to ensure they are clear & unobstructed? (10.3.7.2.1)			Yes
Full flow trip test of dry valve conducted with control valve opened fully? (13.4.4.2.2.2)			Yes
System pass testing for air leakage? (13.4.4.2.9)	Yes	Time (sec) between start of test & water flow from inspectors test connection.	49

Wet Sprinkler System

Wet Sprinkler System Inspection

Sprinkler heads free of corrosion, foreign material, paint or damage, no signs of leakage & heads installed in proper orientation? (5.2.1.1.)	Yes
Minimum clearance maintained below all sprinklers? (5.2.1.2)	Yes
# replacement sprinkler heads per number installed in the head box comply: 6 per 1-300: 12 per 301 to 1,000: 24 per > 1,000? (5.4.1.5)	Yes
Sprinkler head wrench for each type head provided in head box? (5.4.1.6)	Yes

System piping free of mechanical damage, leaks, corrosion, misalignment, or other loads or pipe hung from system? (5.2.2)	Yes
Pipe hangers & seismic braces secure & undamaged? (5.2.3.1)	Yes
Adequate heat to maintain minimum building temperature of 40° F, & building free of conditions exposing pipe to freezing? (5.2.5)	Yes
All sprinklers in this building been manufactured after 1920? (5.3.1.1.1.1)	Yes
All sprinklers in building less than 50 years old or, if fast response, less than 20 years old, or if older, representative samples tested within the last 10 years? (5.3.1.1.1)	Yes
If dry sprinklers are installed in building, & have been in service for 10 years, have they been replaced or a representative sample tested? (5.3.1.1.1.5) Date tested, if applicable: ----	N/A

Other Components

Supervisory Summary

Item	Total	Tested	Fail	Item	Total	Tested	Fail
Air Pressure Switch - Supervisory	0	0	0	Water Motor Alarm	0	0	0
Waterflow Alarm Switch	1	1	0	Fire Department Connection	1	1	0
Tamper Switch - Supervisory	1	1	0				

Air Compressor

Area/ Location	Mfr/ Model	Compressor free of physical damage & operating properly? (5.4.2.3)	Compressor been maintained? (5.4.2.3)
		Yes	Yes

Electric Bell

Area/Location	Electric bell operating properly and free of damage? (5.3.3.1)
	Yes

Fire Department Connection

[EP10]

FDC visible & accessible, without damage & signs in place? (13.7.1)	Pass	Couplings & swivels free of damage & rotate smoothly? (13.7.1)	Pass
Caps, plugs & gaskets in place & free from damage? (13.7.1)	Pass	Check valve clapper free from leaks & automatic drain valve in place & operating properly? (13.7.1)	Pass

Hydraulic Nameplate

Area/Location	Nameplate securely attached to sprinkler riser & is legible? (5.2.7)
	Yes

Obstruction Investigation

Date of last 5 year internal inspection.	Yes
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Supervisory Tamper Switch

[EP2]

Area/Location	Switch passed a visual inspection? (13.3.3.5.1)	Switch pass operational test indicating movement from normal position? (13.3.3.5.2)
	Pass	Pass

Waterflow Alarm Switch

[EP2]

Area/Location	Flow switch free of damage with its electrical connections secure? (5.3.3)	Water flow activate alarm when open test connection/bypass? (5.3.3)
	Pass	Pass

Valves

Control Valve

Area	Item	Size	Acceptable Condition	Normal Position	Secured (13.3.2.2)	Exercised/ Lubricated
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			(13.3.2.2)	(13.3.2.2)		(13.3.3.1)
Backflow Control Riser Closet 1st Floor	Control valves	4"	Yes	Yes	Yes	Yes
Backflow Control Riser Closet 1st Floor	Control valves	4"	Yes	Yes	Yes	Yes
Dry System Control Riser Closet 1st Floor	Control valves	4"	Yes	Yes	Yes	Yes
Wet System Control Riser Closet 1st Floor	Control valves	4"	Yes	Yes	Yes	Yes

Wet Riser Main Drain/No Check Valve - 1 gauge

Wet System 2nd Floor Riser Closet 1st Floor


Exterior of connection in good condition & gauge operable? (13.4.1.1)	Yes
Main Drain Test Pressures [EP9]	
Static Pressure before valve opened	55
Residual Pressure with valve open	30
Static Pressure after valve closed.	35
Record time (seconds) for supply water pressure to return to original static pressure. (A.13.2.5)	2
Main Drain Test Pressures less than 10% reduction in flow from original acceptance test or previous test results? (13.2.5.2)	Pass
Is there adequate drainage available? (13.2.4)	Yes

Additional Comments

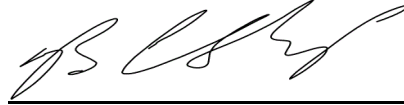
-Five year done 9/27/2012
-Three done 9/18/2014

Liability Release Statement:

The owner and/or designated representative acknowledges the responsibility of the operating condition of the component parts at the time of this inspection. It is agreed that the inspection service provided by the contractor as prescribed herein is limited to performing a visual inspection and/or routine testing, and any investigation or unscheduled testing, modification, maintenance, repair, etc., of the component parts is not included as part of the inspection work performed. It is further understood that all information contained herein is provided to the best of the knowledge of the party providing such information.



Customer: Leon Patat
8/31/2015



Inspection Technician: Brian L Sharp
8/31/2015